Horne, W. Seth – Chemistry: NSF DMR-1149067, “CAREER: Supramolecular Light-Harvesting Materials from Self-Assembly of Bio-Inspired Macromolecules”, $100,000 annual

Liu, Peng – Chemistry: Office of Naval Research Basic Research Challenge (BRC) grant (N000141410650) 06/01/2014 − 05/31/2018 Title: Design and Deployment of Multi-Tasking Catalysts: Externally Controlled Chemistry Role: Co-PIPI: Kendall N. Houk (UCLA) Co-PIs: Robert H. Grubbs (Caltech), Christopher W. Bielawski (UNIST, South Korea), Peng Liu (Pittsburgh) Annual award amount to the Liu Group: $125,000

Chong, Lillian – Chemistry: NSF CAREER MCB-0845216 (PI: Chong)   02/01/2009 – 01/31/2015     $737,520 Title: Flexibility vs. preorganization: Atomistic simulation of partner recognition by natively unfolded peptides

NSF MRI CNS-1229064 (PI: Camacho, co-PI: Chong)   9/1/2012 – 8/31/2015   $450,000   Title: Acquisition of computational resources for research in computational and systems biology

Jordan, Kenneth D. – Chemistry: Critical Evaluation of Theoretical Models for Aqueous Chemistry and CO2 Activation in the Temperature-Controlled Cluster Regime. DOE: DE-FG02-00ER15066. Total Award Amount: $340,000 Duration: 7/1/2012 – 6/30/2015

Theoretical Studies of Non-Valence Correlaiton-Bound Anions. NSF: CHE1362334. Total Award Amount: $584,154 Duration: 4/1/2014 – 3/31/2017

Pending

Critical Evaluation of Theoretical Models for Aqueous Chemistry and CO2 Activation in the Temperture-Controlled Cluster Regime (Renewal request of DE-FG02-00ER15066) DOE. Total Award Amount Requested: $230,000 Duration: 7/1/2015-6/30/2017

Computational Tools for Navigating the Ligand-Nanoparticle Genome. DOE. Total Award Amount Requested: $8,434,248 Duration: 10/1/2015 – 09/30/2019

Brigham, John C. – Civil and Environmental Engineering: Experimentally Validated Numerical Models for Effects of Non-Isothermal Turbulent Mixing on Wall Stresses in High Temperature Reactors. Principal Investigator: Mark L. Kimber Co-PI(s): John C. Brigham, Anirban Jana (PSC), and Milorad Dzodzo (WEC) Sponsor: Department of Energy (Nuclear Energy University Program) Amount: $876,422 Start/End: 10/1/2012 - 9/30/2015

Weeks, Daniel – Human Genetics: Utility of Genomic Data in Population Screening for Abdominal Aortic Aneurysm. Pennsylvania Department of Health (Carey, David J)  PA Commonwealth Universal Research Enhancement Program    Total Award Amount:  $106,029.30  (ADC) Duration: 6/12 - 6/15

AMD genetics: methods and analysis for progression, prediction, and association. NIH/NEI R01 EY024226 (Chen, Wei)  Total Award Amount:  $45,938.69 (ADC) Duration: 4/14 - 3/17

Saxena, Sunil – Chemistry: Protein-DNA specificity determinants by paramagnetic metal ion based distance measurements NSF MCB 1157712 Duration 05/01/12-04/30/16

Johnson, Karl – Civil and Environmental Engineering: Design of Stratified Functional Nanoporous Materials for CO2 Capture and Conversion. Funding: US DOE Total Award Amount: $366,000 Duration: 6/1/13 – 5/31/16

Design, Synthesis and Characterization of Hybrid Stratified MOF-Plasmonic Nanoparticle Materials for Detection and Destruction of Chemical Agents (PI with E. Borguet, J. Millstone and N. Rosi). Funding DTRA Total Award Amount: $2,500,000 Duration: 10/01/15 – 9/30/20 PENDING

DMREF: Collaborative Research: Design, Synthesis, and Characterization of Hybrid Nanoporous Functional Materials for Tuning Kinetics and Thermodynamics of Complex Metal Hydrides. Funding: NSF Total Award Amount: $1,100,651 Duration: 9/1/2015 – 8/31/19 PENDING